

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|-------|---|---|------------------|---------|---------------------|
| L1    | 0     | (3D or 3-D or three adj dimensional\$1 or scanner)and digital and micromirror adj device and modulate and structured and light adj signal and projected adj beam same object and generat\$4 adj shape             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/19<br>10:20 |
| L2    | 0     | (3D or 3-D or three adj dimensional\$1 or scanner)and digital and micromirror adj device and structured adj light and project\$3 adj beam and object and generat\$4 adj shape                                     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/19<br>10:22 |
| L3    | 0     | (3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and structured adj light and project \$3 adj beam and object and generat\$4 adj shape  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/19<br>10:23 |
| L4    | 2117  | (3D or 3-D or three adj dimensional\$1 or scanner\$1) and micromirror adj device  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/19<br>10:23 |
| L5    | 30982 | (3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and (light or source or laser adj light)and project\$3 light adj beam and object and (generat \$4 adj shape or depth)                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/19<br>10:25 |
| L6    | 2312  | (3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and (light or source or laser adj light)and project\$3 light adj beam and object and (generat \$4 adj shape or depth)adj information | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2010/02/19<br>10:26 |

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| L7  | 490 | (3D or 3-D or three adj dimensional\$1 or scanner)and encod\$3 and micromirror adj device and(light or source or laser adj light or structural adj light)and project\$3 light adj beam and object and(generat \$4 adj shape or depth)adj object and(reval or reconstruct \$3)and(contour or edge or filter\$3) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:34 |
| L8  | 308 | L7 and(@ad<"20040115" or @rlad<"20040115" or @prad<"20040115" or @ptad<"20040115")   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:34 |
| L9  | 256 | L7 and @ad<"20040115"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:34 |
| L10 | 9   | L9 and(detect\$3 or determining)and reflect\$3 and (light or source or laser adj light or structural adj light)and project\$3 same light adj beam same object same(generat\$3 adj shape or depth or contour or edge or filter\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:40 |
| L11 | 0   | L10 and(detect\$3 or determining)and reflect\$3 and (light or source or laser adj light or structural adj light)and detector and(configured or connected)and pass\$3 adj (single adj bit or binary adj data)and decoder and(pixel\$ or pixel)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:45 |
| L12 | 0   | L10 and reflect\$3 and(light or source or laser adj light or structural adj light)and detector and(configured or connected)and pass\$3 adj (single adj bit or binary adj data)and decoder  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:47 |
| L13 | 8   | reflect\$3 and(light or source or laser adj light or structural adj light)and detector and (configured or connected)and pass\$3 adj(single adj bit or binary adj data)and decoder  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:47 |
| L14 | 7   | L13 and @ad<"20040115"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:47 |

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| L16 | 0  | L14 and(3D or 3-D or three adj dimensional\$1 or scanner) and encod\$3 and micromirror adj device and(light or source or laser adj light or structural adj light)and project\$3 and light adj beam and object and (generat\$4 adj shape or depth adj object or object)and (contour or edge or filter\$3) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:50 |
| L17 | 0  | L14 and micromirror  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:59 |
| L18 | 0  | L13 and micromirror  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>10:59 |
| L20 | 1  | (3D or 3-D or three adj dimensional\$1 or scanner)and encod\$3 adj unit and micromirror adj device and (light or source or laser adj light or structural adj light)and project\$3 and light adj beam and object and(generat\$4 adj shape or depth)and(detect\$3 or determining)same(contour or edge\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:20 |
| L21 | 1  | encod\$3 adj unit and micromirror adj device and (light or source or laser adj light or structural adj light)and project\$3 and light adj beam and object and(generat\$4 adj shape or depth)and(detect\$3 or determining)same(contour or edge\$3)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:21 |
| L22 | 13 | encod\$3 adj unit and micromirror adj device   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:23 |
| L23 | 0  | L22 and reflect\$3 and(light or source or laser adj light or structural adj light)and detector and(configured or connected)and pass\$3 adj (single adj bit or binary adj data)and decoder  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:24 |

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| L24 | 5    | L22 and @ad<"20040115"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:24 |
| L25 | 0    | L24 and(detect\$3 or<br>determining)and reflect\$3 and<br>(light or source or laser adj<br>light or structural adj light)and<br>project\$3 same object same<br>(generat\$3 adj shape or depth<br>or contour or edge\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:25 |
| L26 | 1    | L22 and(detect\$3 or<br>determining)and reflect\$3 and<br>(light or source or laser adj<br>light or structural adj light)and<br>project\$3 same object same<br>(generat\$3 adj shape or depth<br>or contour or edge\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:26 |
| L27 | 8275 | (directing or project\$3 or<br>reflect\$3)and(light or source<br>or laser adj light or structural<br>adj light)and(digital adj<br>micromirror or micromirror adj<br>device)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:34 |
| L28 | 82   | L27 and(detect\$3 or<br>determining)and reflect\$3 and<br>(light or source or laser adj<br>light or structural adj light)and<br>project\$3 same object same<br>(generat\$3 adj shape or depth<br>or contour or edge\$1) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:35 |
| L29 | 36   | L28 and @ad<"20040115"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:35 |
| L31 | 420  | L27 and operat\$3 and(digital<br>adj micromirror or micromirror<br>adj device)and(light or source<br>or laser adj light or structural<br>adj light)same changing same<br>beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:39 |
| L32 | 1    | L31 and(detect\$3 or<br>determining)and reflect\$3 and<br>(light or source or laser adj<br>light or structural adj light)<br>same detector and<br>synchronized adj beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:40 |
| L33 | 1    | L31 and(detect\$3 or<br>determining)and reflect\$3 and<br>(light or source or laser adj<br>light or structural adj light)and<br>detector and synchronized adj<br>beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:41 |

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| L34 | 1  | L31 and reflect\$3 and(light or source or laser adj light or structural adj light)and detector and synchronized adj beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:42 |
| L35 | 0  | L31 and detector and (configured or connected)and pass\$3 adj(single adj bit or binary adj data)and decoder  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:45 |
| L36 | 26 | (directing or project\$3 or reflect\$3)and(light or source or laser adj light or structural adj light)and(digital adj micromirror or micromirror adj device)and operat\$3 and modulat\$3 and change adj beam | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:52 |
| L37 | 0  | L36 and(detect\$3 or determining)and reflect\$3 and (light or source or laser adj light or structural adj light)and detector and synchronized adj beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:52 |
| L38 | 0  | L36 and(detect\$3 or determining)and reflect\$3 and (light or source or laser adj light or structural adj light)and detector and synchronized and beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:53 |
| L39 | 0  | L36 and detector and (configured or connected)and pass\$3 adj(single adj bit or binary adj data)and decoder  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:53 |
| L40 | 10 | L36 and @ad<"20040115"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:53 |
| L42 | 0  | L40 and(light or source or laser adj light or structural adj light or laser)and detector and synchronized adj beam   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:58 |
| L43 | 0  | L40 and detector and (configured or connected)and pass\$3 adj(single adj bit or binary adj data or gary or grey)and decoder  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2010/02/19<br>11:59 |

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| L45 | 4       | L40 and decod\$3 and reflect \$3 and(light or source or laser adj light or structural adj light) and (determining or detect\$3) and object and(generat\$3 adj shape or depth or contour or edge\$1)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/19 12:06 |
| L46 | 0       | L45 and detector and (configured or connected)and pass\$3 adj(single adj bit or binary adj data or gary or grey)and decoder  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/19 12:06 |
| L47 | 0       | L40 and detector and (configured or connected)and pass\$3 adj(single adj bit or binary adj data or gary or grey)and decoder  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2010/02/19 12:06 |
| S1  | 5000855 | (3D or 3-D or three adj dimensional\$1 or scanner)and digital and micromirror adj device and modulate and structured and light adj signal and projected adj beam and generate and shape of an object | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 13:44 |
| S2  | 0       | (3D or 3-D or three adj dimensional\$1 or scanner)and digital and micromirror adj device and modulate and structured and light adj signal and projected adj beam and generate and shape adj object   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 13:45 |
| S3  | 0       | (3D or 3-D or three adj dimensional\$1 or scanner)and digital and micromirror adj device and modulate and structured and light adj signal and projected adj beam and generate and shape              | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 13:45 |
| S4  | 0       | (3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and modulate and structured and light and projected adj beam and generate and shape                                     | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 13:46 |
| S5  | 1       | (3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and structured adj light and projected adj beam and generate and shape  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 13:47 |
| S6  | 76884   | "382"/\$.ccls.   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/07/19 13:57 |

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| S7  | 98576  | "356"/\$.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>13:57 |
| S8  | 0      | S6 and(3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and structured adj light and projected adj beam and generate and shape   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>13:58 |
| S9  | 1      | S7 and(3D or 3-D or three adj dimensional\$1 or scanner)and micromirror adj device and structured adj light and projected adj beam and generate and shape   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>13:58 |
| S10 | 131735 | "359"/\$.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>13:59 |
| S11 | 0      | S10 and(3D or 3-D or three adj dimensional\$1 or scanner) and micromirror adj device and structured adj light and projected adj beam and generate and shape | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>14:00 |
| S12 | 23     | ((RON) near2 (KIMMEL)).INV.   | US-PGPUB;<br>USPAT                                      | OR | ON | 2009/07/19<br>14:17 |
| S13 | 0      | S12 and(3D or 3-D or three adj dimensional\$1 or scanner) and micromirror adj device and structured adj light and projected adj beam and generate and shape | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>14:18 |
| S14 | 1      | S12 and(3D or 3-D or three adj dimensional\$1 or scanner) and micromirror adj device and structured adj light and projected adj beam                        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>14:18 |
| S15 | 0      | S9 and(@ad<"20040115" or @rlad<"20040115" or @prad<"20040115" or @ptad<"20040115")  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/07/19<br>14:34 |

2/19/10 12:10:28 PM

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